

## CLAIMS

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)

1       15 16. (Currently amended) The apparatus of claim 8 19 wherein the outer  
2 chamber comprises a pair of hubs aligned with the axis of rotation, a shaft  
3 extending through each of the hubs, the compressor comprising a fan mounted at  
4 the axis of rotation to one of the shafts.

17. (Canceled)
18. (Canceled)

1       19. (Newly presented) A process for purifying contaminated liquid compris-  
2 ing:

3           rotating at least a pair of first and second concentric shells about a  
4       common axis of rotation, each shell having an input and an output end and  
5       an inner surface facing the axis of rotation and an outer surface facing away  
6       from the axis of rotation; the shells being under vacuum;

7           injecting contaminated liquid at the inlet end of the first shell; the con-  
8       taminated liquid boiling along a the inside surface of the first shell to create a  
9       purified vapor and a remaining liquid containing contaminants;

10          applying a pressure to the purified vapor to raise the pressure of the  
11       purified vapor and direct the vapor to the inlet end of the second shell, the pu-  
12       rified vapor condensing as purified liquid along the outer surface of the first  
13       shell, centrifugal force projecting the purified liquid against the inner surface  
14       of the second shell; and

15          collecting the purified liquid from the output end of the second shell and  
16       collecting the remaining liquid from the output end of the second shell.